

W6OTX

W6ARA

PAARA NEWSLETTER
VOLUME 76, NUMBER 6, June 2025

K6OTA

K6YQT

PAARAgraphs



The Official Newsletter of the

Palo Alto Amateur Radio Association, Inc.

The Friendliest Club Around

Celebrating 88 years as an *active* amateur radio club—*Since 1937*<http://www.paara.org/>

The Legacy of Trans-Pacific Radio Richard Dillman, W6AWO

In 1914, the American Marconi Company opened a transmitting station in Bolinas with a large antenna and tremendous power needed to hurl its signal across the Pacific. In Marshall, a receiving station was constructed with a mile long antenna on the ridge to snatch incoming signals out of the air as they rose over the dome of the earth and passed overhead.

Join Richard Dillman, President of the Maritime Radio Historical Society and learn the story of how the stations were built, why they were built, how they evolved and why their service finally ended in 1973.



**This meeting will be a
Hybrid Meeting
Zoom and In Person**

Time: June 6, 2025 07:00 PM Pacific Time

Please check <https://www.paara.org> for
Zoom Details

Upcoming Events

June 6 July 11 Aug 1	PAARA General Meeting, 7:00 PM to ~9:30PM Zoom and In Person Meeting.
June 18 July 16 Aug 20	Board Meeting, 7:00 PM. Everyone welcome! Zoom Meeting, eMail President for details.



President's Corner

Wow, what a month! As anticipated, May has seen quite a lot of PAARA activity. Look elsewhere in the newsletter for stories on a very successful PAARA in the Park, and preparations for the upcoming ARRL Field Day.



In addition, PAARA sponsored the Electronics Flea Market on May 18th. All told, I'd say it was very successful, although this particular flea market turned out to have a confluence of exceptional circumstances. In addition to being on the 3rd Sunday of the month instead of the usual 2nd Sunday, there were some other events occurring at West Valley College that day, and we were requested to keep flea market buyers out of the usual parking in Lot 4. That led to some confusion, and probably less foot traffic around the concession stand, but we managed ok. For those of you who might be regular flea market attendees, we also learned that the location of the vendors and of available buyer parking may be moved for upcoming flea markets due to some repaving work planned to

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Questions of the Month

Question
of the
MONTH

What is ARRL Field Day? Who can participate? What types of contacts count for Field Day? If you could choose any location in the world to set up your Field Day station, where would it be and why?

PAARA in the Park on May 3, 2025

By Darryl Presley, KI6LDM

The May 3rd PAARA In the Park event was an amazing success with the foxhole radio build activity. This success did not come without some significant preparation, nor did it come easily. What people saw at the event and the wonderful participation and joy that all experienced was due to some exceptional help I had behind the scenes.

Back in December, I thought of building a fox-hole receiver for the next PAARA In the Park build activity and was thinking, "This is a simple design – a coil, a blued razor blade, pencil, some metal thumbtacks, a few paper clips and a safety pin, what could possibly go wrong?" After doing several google searches, I settled on a design that we would use. The design is simple but implementing it so that it works is not. My first few attempts failed. This simple design serves as a great teaching tool for why things like the gauge of the wire (we used 24awg magnet wire), the number of turns on the coil, the diameter of the coil, the type of detector

used, all matter for a working receiver. It turned out for instance, that my coil was some 20 turns too short of what was required thanks to Ric's fingernail – more on that shortly.

Behind the scenes were several folks who helped with the preparations: Doug Teter – KG6LWE, Ric Hulett – N6AJS and Bob Ridenour – KN6YGN. In addition, Mikko Sannala – AB6RF built a jig for winding the coils. Doug cut the 8"x9" plywood base boards for each kit. We spent two weekends winding coils and ensuring that each coil had the right number of turns (112 turns) on the 2" diameter PVC pipe. The process for winding the coil took several of

us – Doug to run the jig, Ric to manage the wire spooling off the supply roll, Darryl to ensure that the windings were tight, and finally, counting the turns. It turns out that Ric has an accurately calibrated fingernail to count the number of turns and he used his fingernail on every coil we made. Bob did several tasks – building a template for the kits, building an example model to be used at the event, drilling "pilot" holes for where screws would be placed, and with Ric's help, drawing out the cir-



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cuit on each board for the participants to follow.

To increase the chances of receiving a signal, we chose to use germanium diodes instead of using blued razor blades, pencils, and safety pins for the detector. This also reduced the risk of someone accidentally cutting or poking themselves.

At PAARA In the Park, it was awesome to see parents and children working together building their foxhole radio and eventually experiencing it working – hearing an AM broadcast signal. I had several parents tell me that they would like to see more of this type of hands-on activity as they do not see much of it these days. We had 29 participants for this activity, the highest we have ever had.

It takes a real team effort to pull off a project like this and I cannot say thank you enough to Doug, Ric, Bob, Mikko, Rodna Presley – KJ6GVQ for her help in signing-in participants at the event, Margaret Cooper – K6WEK for her assistance and several others who joined in on helping participants. This helps promote the PAARA slogan: The Friendliest Club Around.

If you have an idea for a future PAARA In the Park Project, please let us know.

ARRL Field Day is Coming, SOON!

Doug Teter, KG6LWE

PAARA's Field Day effort will once again be at Bedwell Bayfront Park in Menlo Park on June 28th and 29th. We will be entering in Class 3A, which is 3 primary HF stations operating in the field on generator power. Additionally, we will have a GOTA (Get On The Air) station where anyone, whether licensed or not, can operate on HF under the watchful eye of a coach. We will also have a VHF/UHF/Satellite station.

Setup begins at the park at 5:00 PM on Thursday, 6/26, with the assembly and erection of the first of 3 full-sized beam antennas. It resumes the following morning, Friday, 6/27, at 10:00 AM assembling and erecting two more beams. The U-Haul trucks will be picked up late Friday afternoon so station assembly can begin.

Saturday morning, work will start at 9:00 AM with the finishing touches on the stations and



connection of the logging computers to the network. The operating period begins at 11:00 AM and continues for 24 hours.

We will need all the help we can get to pull this off, so please come out to help.

Also, please sign up for some seat time operating one of the stations. We will be running phone, CW, and new this year, FT-8, so pick your favorite mode and enjoy making contacts from an excellent transmitting location!

Don't forget though, after all the fun, we still have to take everything down and pack it out of the park. Again, more hands will be better, so save some time on Sunday for that.

Please contact our Field Day Coordinator, Doug, KG6LWE at kg6lwe@paara.org for more information or to volunteer for any or all of this club-wide activity.

(President — Continued from page 1)

occur in some of the parking lots. So don't be surprised if you arrive and things don't seem to be where you expect. Just follow the signs and/or ask on-site volunteers for directions.

In other news, I was browsing information from the ARRL Santa Clara Valley Section Newsletter recently and came across information about the students from Oakwood School in Morgan Hill successfully making contact with the International Space Station! You can read about their project on their website at <https://www.oakwoodway.org/space>, which has information, photos, and a link to a video of their ARISS contact with astronaut Jonny Kim. What a great experience for the students, especially the student hams who set up and operated the stations!

If you haven't seen the ARRL SCV section website, or haven't visited recently, you can find it at <https://arrlsantaclaravalley.org>. Like PAARA, they've recently migrated their web site to a different platform and made some updates. In addition to information about local activities like the school ISS contacts, they have links to several local clubs, emergency services organizations, volunteer examiners, and other conventions and activities of interest.

Looking ahead a bit to next month, please note that the club meeting will be held on July 11th and NOT on July 4th due to the Independence Day holiday. Instead of coming to a meeting, perhaps July 4th would be a good opportunity for a SOTA or POTA activation if you can find a good place that might be convenient for viewing fireworks. If you give it a try, we'd love to hear about it the next week at the meeting!

I hope to see you at the next meeting on June 6th, either IRL or on Zoom! If you're able to come in person, we'll be heading across the parking lot after the meeting to Mountain Mike's for some pizza and continued discussion, and we'd love for you to join us!

73, Bob KN6YGN

Get on the air to keep the airwaves alive!

May 2025 Board Meeting Minutes

In attendance were President Bob Ridenour KN6YGN, Vice President Rob Fenn KC6TYD, Secretary Ric Hulett N6AJS, Treasurer Margaret Cooper K6WEK, Directors Darryl Presley KI6LDM, Walt Gyger K6WGY, Doug Teter KG6LWE, and Sorin Constantinescu, KN6YUH. Also attending was Shri Hariharisubrahmanian, KA6Q. A quorum was present. The meeting was called to order at 7:18 pm.

Officer Reports

• President's Report:

- Domain registration for paara.net will be renewed on 6/16. We'll keep the registration, but will just have the URL redirect to paara.org.
- Note that the July club meeting is scheduled for 7/11 because of the July 4th holiday.
- EFM was successful. We could have used a few more volunteers, especially before 6am to help with setup and parking. Next time we should get more old-fashioned donuts and fewer raised ones.

• Secretary's Report:

- We have updated the FCC registration for W6ARA (new trustee KN6YGN) and W6OTX (new trustee AI6KG).
- The board voted to name Sorin Constantinescu KN6YUH as Trustee for K6OTA.

The Secretary will process that application.

- We received two more renewals, our membership is now at 196.
- Treasurer's Report: — PAARA's Annual filings have been completed. The state non-profit registration was not filed for last year. Margaret has filed this by mail, and is waiting for a response. Then we will file for the current year. Our raffle registration and permits are up to date. The next filing, by July 31, will be sales tax.

The EFM grossed roughly \$3060 from vendor sales and concessions. Our overall profit will be about \$1100. Margaret K6WEK will pro-

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(Minutes — Continued from page 4)

vide a final tally.

Christopher AI6KG has purchased some repeater items. Doug KG6LWE purchased a new shelter tent for GOTA. The board agreed to reimburse both of these expenses.

- VP / Program Chair Report:
 - Our June speaker will be Richard Dillman W6AWO, President of the Maritime Radio Historical Society . His topic is: "The Legacy of Trans-Pacific Radio".

Standing Items

- This is the monthly request for PAARAgaphs articles. Members: This is your chance to shine! Write a story, even a short one, about an interesting ham-related topic. Tell us about an operating event, or a bit of history. We need articles every month: Send yours today!

- Education Committee:

- Congratulations on PAARA in the Park! It was a big success with a lot of positive feedback from students and families. We really leaned into the "education" part for this event, and we definitely got requests to do more.

What was really nice was seeing parents and children working together to make the project successful.

- We discussed the June 'Question of the Month'.
- It's time to start planning for September's PAARA in the Park activity.

Tentatively, the date is September 27. We may organize a soldering activity for our educational outreach.

- PAARA Field Trip: We plan to visit the USS Hornet; proposed date is August 23th. KC6TYD will review the options and requirements.

It was agreed that we should extend an invitation to the home school group who have come to many of our PAARA in the Park events to join us if they would like.

- Field Day:

- Antenna work parties are scheduled for May 24, May 31, and June 14.

- Network Day: At W6NEV, probable date is June 21.

Mikko AB6RF has been requested to provide the network time source.

Kristen K6WX will loan us the triplexer

We will use Marty's KPA-500 linear, and also Darryl's. The digital station will run barefoot.

- List of people to invite... (Bob and Doug to coordinate)

Team captains: Harry, K4YR (A Station) Ric, N6AJS (B Station) Marty, W6NEV (Digital) . Justin, AI6YM (VHF/Satellite) Ben, KN6UBF and Christopher, AI6KG (GOTA).

Guest list and Extra Points Wrangler: Margaret, K6WEK

Safety officer: Rob, KC6TYD

Food service: Rob, KC6TYD and Sorin, KN6YUH

- The board agreed to buy a new boiler for hotdogs, and two new ice chests.

- IT Subcommittee Updates: [Sorin]

- New web paara.org site is online!

- Updates to videos of previous meetings have been posted to the website.

- Online PAARAgaphs will be posted 6 months after publication.

The Pictures section has been updated.

The Board e-mail addresses have been updated to [Callsign]@paara.org.

New Business

- PAARA has been invited to sponsor an additional Electronics Flea Market in September. After discussion, we decided to pass on this.

- The meeting was adjourned at 9:35 pm.

Respectfully submitted

Ric Hulett N6AJS

PAARA Secretary



May Raffle Winners (left to right):
 Dave (K6NIA), Bob (KN6YGN), Sorin (KN6YUH), Mark (AD1M)

PAARA



June Raffle Prizes

5th Bioenno 12v, 12Ah, LiFePO4 Battery



4th Surecom SW28 VSWR & Power Meter



3rd Dual band dipole, donated by Mike, K6QFO



2nd GR-ARB01 Versatile Antenna Roll Bag



1st Nite Ize CamJam Tie Down Strap



Barista Opportunity

The club needs your help with setting up the coffee urns before the meeting starts, and with taking them down when the meeting is over. Simple and clear instructions will be available, as well as coaching as needed. If you can also store the two boxes between meetings and wash the baskets from the urns between meetings (particularly before a meeting where you can help with setup) that would be of great help, although it's not strictly necessary. Please add your name to the coffee rotation sign-up sheet which will be posted above the coffee urns, or get in touch with Sorin KN6YUH. Your help is greatly appreciated!

Discord Server

Do you want to talk to other PAARA members and friends about Homebrew, POTA, SOTA, digital modes, or any other ham radio topic? Download the App or use the Web version, then join our server by scanning the QR code, or visiting <https://discord.gg/qPyn5h8p6H>.



Palo Alto Amateur Radio Association, Inc.

PO Box 911 Menlo Park, CA 94026

Officers

President	Bob Ridenour, KN6YGN 650-575-4528 bob_ridenour@yahoo.com
Vice President	Rob Fenn, KC6TYD 650-888-9060 kc6tyd@gmail.com
Secretary	Ric Hulett, N6AJS 408-332-4593 n6ajs@arrl.net
Treasurer	Margaret Cooper, K6WEK k6wek@arrl.net

Directors

Director ('24-'25)	Sorin Constantinescu, KN6YUH, consta@gmail.com
Director ('25-'26)	Walt Gyger, K6WGY 408-921-5901 wgyger@ix.netcom.com
Director ('25)	Doug Teter, KG6LWE 650-743-7892 dteter@wcwi.com
Director ('25)	Darryl Presley, KI6LDM 650 255-2454 ki6ldm@arrl.net

Appointed Positions

Membership	Ric Hulett, N6AJS 408-332-4593 N6AJS@arrl.net
Database	Ric Hulett, N6AJS 408-332-4593 N6AJS@arrl.net
Station Trustee	K6OTA Ron Chester, W6AZ
Property Manager	Doug Teter, KG6LWE
Badge Coordinator	Doug Teter, KG6LWE 650-743-7892 dteter@wcwi.com
Historian Position	<i>Position Vacant</i>
Raffle Coordinators	Rob Fenn, KC6TYD, kc6tyd@gmail.com Shrikumar, KA6Q shri.paara@enablery.org
Field Day Coordinator	Doug Teter, KG6LWE 650-743-7892
ASVARO Rep	Clark Martin, KK6ISP kk6isp@sonic.net
Webmaster	Shrikumar, KA6Q webaron@gmail.com
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QSL Manager	Ric Hulett, N6AJS 408-332-4593
Speaker Coordinator	Rob Fenn, kc6tyd 650-888-9060

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Member Profiles	<i>Position Vacant</i>
Technical Tips	Ric Hulett, N6AJS
Photographer	<i>Position Vacant</i>

VE Exams

De Anza Park, Sunnyvale, 2nd Saturday 10:30 am each month except November and December. See website for details and exceptions: <http://amateur-radio.org>

Electronics Flea Market (EFM)

Sponsorship: Association of Silicon Valley Amateur Radio Organizations (ASVARO). The Electronics Flea Market is held at West Valley College, 14000 Fruitvale Ave, Saratoga.

Website: <http://www.electronicfleamarket.com/>

PAARA — Palo Alto Amateur Radio Association

Meets 1st Friday 7:00pm each month at Room H-6, Cubberley Community Center; Net 145.230 - PL 100Hz Mondays at 8:30. See website at <http://www.paara.org>. For more information. contact: Joel Wilhite KD6W, kd6w@arrl.net, 650-325-8239

FARS — Foothills Amateur Radio Society

Meets 4th Friday each month at 7:00pm at Covington School, Los Altos.

Website: <http://www.fars.k6ya.org>

NCDXC — Northern California DX Club

Meets 3rd Thursday 7:00pm each month, Repeater for member info 147.360. Contact president@ncdxc.org. Website: <http://ncdxc.org>. YouTube content: "The Northern California DX Club Official Channel". Cohost of the International DX Convention.

The 50MHz & Up Group of Northern California

This organization specializes in vhf + wak signal and microwave activities. Meetings are held on the first Tuesday of each month. Time is usually 5pm for in person meetings, and 7pm for Zoom only meetings. In person meetings are held Sports Basement, 1177 Kern Ave, Sunnyvale. Always check the website, <http://50MhzandUp.org>, for correct information. Zoom information is also there.

San Mateo Radio Club W6UQ.ORG

Meets, 3rd Friday, January through November. Tuesdays & Thursdays, [Directed] Net, 7pm, N6ZX 145.370Hz, -600KHz, PL107.2Hz
Contact: SanMateoRadioClub@gmail.com, Website: <http://W6UQ.org/calendar>

SPECS

Southern Peninsula Emergency Communication System users Group

Meets each Monday 7:30pm and 8:00pm.
See: <https://specsnet.org/monday-night-net> for more info.
Contact: <https://www.specsnet.org/contact> or board@specsnet.org

SCARES

South County Amateur Radio Emergency Service

Meets 3rd Thursday 7:30pm each month, Belmont EOC, Belmont City Hall, One Twin Pines Lane, Belmont CA 94002. Net is on 146.445 [PL 114.8] & 444.50 (PL-100) 7:30 Monday evenings. Contact: President Gary D. Aden, K6GDA 650-743-1265 (D), 650- 595-5590 (N)
Web: <http://k6mpn.org> E-mail: pres@k6mpn.org

SCCARA

Santa Clara County Amateur Radio Association

Operates W6UU & W6UU/R, repeater 146.985-pl
Nets: 2m, 7:30pm Mon; 70cm, 10M (28.385) 8PM Thur.
Meets 2nd Mon each month @ 7:30 PM.
ARRL/VEC license testing contact 408-507-4698

SVECS — Silicon Valley Emergency Communications

Operates AA6BT repeater (146.115 MHz+)
Website: <http://www.svecs.net> or contact: Lou Stierer WA6QYS 408 241 7999

WVARA — West Valley Amateur Radio Association

W6PIY six-meter repeater on 52.58MHz. Normally, six-meters is linked with 147 and 223, while 441 and 1286 repeaters are linked.

VHF: 52.58 (-500) 151.4 ctcss UHF: 147.39 (+600) 151.4 ctcss 441.35 (+5.0) 88.5 ctcss
223.96 (+1.6) 156.7 ctcss 1286.20 (-12m) 100.0 ctcss

Meetings are 2nd Wednesday of every month except July, August and December.

Website: <http://wvara.org>, Contact: info@wvara.org

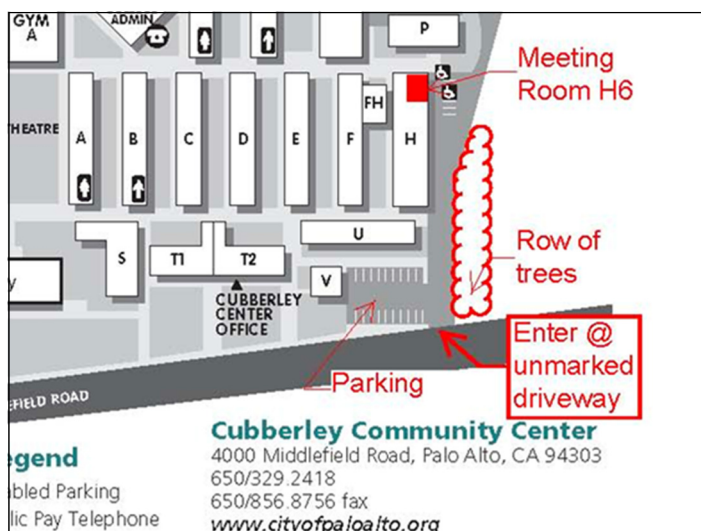
(Please send changes to PAARAgaphs editor)



For Sale: World War 2 vintage shortwave radio

Model BC-1147A — Covers AM broadcast through 30 MHz.

\$200 Contact: Harry Logan 650-941-4587



Meeting Location — Middlefield Road between San Antonio and Charleston in Palo Alto. 4000 Middlefield Road



PAARA Weekly Radio Net

Info and Swap Session
 every Monday evening at 8:30pm
 on the N6NFI 145.230 MHz repeater

Week Control Operator

1 st	Doug - KG6LWE
2 nd	Doug - KG6LWE
3 rd	Ric - N6AJS
4 th	Rob - KC6TYD
5 th	Rob - KC6TYD

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Email: KARLDRESDEN@juno.com

**Palo Alto Amateur Radio Association
 P.O. Box 911, Menlo Park
 California 94026-0911**

Club meetings are on the first Friday of each month, 7:00pm at the Room H-6, Cubberley Community Center.

Radio NET & Swap Session every Monday evening, at 8:30pm, on the 145.230 –600 MHz repeater, PL 100Hz.

Membership in PAARA is \$25.00 per calendar year, which includes one subscription to PAARAgaphs \$6 for each additional family member (no newsletter).

Make payment to the
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 pages/members-current.html](https://www.paara.org/pages/members-current.html).

Scroll to the bottom of the page
 and fill out the info. All badges will
 be mailed.

The cost for a badge is \$30.00.

PAARAgaphs Ad Rates

PAARAgaphs accepts paid advertisements from non-members. (short personal ads remain free for members in good standing). **All ad rates listed are per issue.**

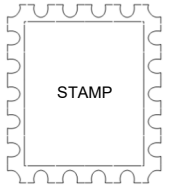
- Not-for-profit ads by association members for ham-related items and wants. No cost for business card-size ads (additional space at \$2.50 per business card size per issue).
- For Profit organizations and/or individuals: \$5-business card size, \$14.00-quarter page, \$25-half page, \$50 full page or back cover per issue.

These fees may be reduced or waived in exchange for a valuable consideration that is given to the Association or its general membership. Such consideration must be in addition to any existing arrangements with the association. The PAARAgaphs editors reserve the right to reject any ad deemed to be not in the best interest of the Association.

All fees payable in advance by the year with "scanner-ready" copy or text-only ads. **Give payment and copy to Walt Gyger, K6WGY.**

PAARAgaphs — June 2025

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Palo Alto Amateur Radio Association, Inc.
PAARAgaphs Newsletter
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FTDX10 | HF/50MHz 100 W SDR Transceiver

- Narrow Band and Direct Sampling SDR • Down Conversion, 9MHz IF • Roofing Filters Produce Excellent Shape Factor • 5" Full-Color Touch Panel w/3D Spectrum Stream • High Speed Auto Antenna Tuner • Microphone Amplifier w/2-Stage Parametric Equalizer • Remote Operation w/Optional LAN Unit (SD-LAN10)



FT-991A | HF/VHF/UHF All Mode Transceiver

- Real-time Spectrum Scope with Automatic Scope Control • Multi-color waterfall display • State of the art 32-bit Digital Signal Processing System • 3kHz Roofing Filter for enhanced performance • 3.5 inch Full Color TFT USB Capable • Internal Automatic Antenna Tuner • High Accuracy TCXO



FTDX101D | HF + 6M Transceiver

- Narrow Band SSB & Direct Sampling SDR • Crystal Roofing Filters Phenomenal Multi-Signal Receiving Characteristics • Unparalleled -70dB Maximum Attenuation VC-Tune • 15 Separate (HAM 10 + 6M S) Powerful Band Pass Filters • New Generation Scope Displays 3-Dimensional Spectrum Stream



FT-710 Aess | HF/50MHz 100W SDR Transceiver

- Unmatched SDR Receiving Performance • Band Pass Filters Dedicated for the Amateur Bands • High Res 4.3-inch TFT Color Touch Display • AES3 Acoustic Enhanced Speaker System with SP-40 For High-Fidelity Audio • Built-in High Speed Auto Antenna Tuner



FT-891 | HF-50 MHz All Mode Mobile Transceiver

- Stable 100 Watt Output • 32 dB IF DSP • Large Dot Matrix LCD Display with Quick Spectrum Scope • USB Port Allows Connection to a PC with a Simple Cable • CAT Control, PTT/RTTY Control



FT-3185RASP | Heavy-Duty 85W 2M FM Transceiver

- Massive HeatSink Ensures Reliable 85W RF Power • Super-DX Function Increases Receiver Sensitivity & Weak Signal Reception • 221 Memory Channels • Large 5-Character Alpha-Numeric Display



FTM-150RASP | 2M/430MHz FM True Dual Band Xciv

- Dual Receivers Showing V-U, U-U, V-U, U-V Operator • 55W VHF & 50W UHF • Heavy Duty Real Sink w/Universal RF Connection Conductor • Front & Rear Body Speaker for 6W High Quality Audio



FTM-510DRASP | CFM/FM 144/430MHz Dual Band Xciv

- New Super-DX A3P Inducto Digital Signal Processor Unit • True Dual-Band Receiver (V-U/U-U, U-V/U-U) • CFM/FM Digital D-D Dual Receiver • 2.4" High-Res Full-Color Touch-Pane Display • Wireless Operation Capability with Optional Bluetooth® Header



FT-60R | VHF/UHF Rugged Dual Band

- Over 1000 Memory Channels • Wide Bank Receiver Coverage • High Power Output 5 Watts • High CO Display • NOAA Severe Weather Alert with Alert Scan



FT-70DR CFM/FM 144/430MHz Xciv

- System Fusion Compatible • Large Front Speaker delivers 700 mW of Loud Audio Output • Automatic Mode Select: detects CATM or FM Audio and Switches Accordingly • 1000+ Channel Memory Capacity • External DC Jack for DC Supply and Battery Charging



FT-5DR CFM/FM 144/430 MHz Dual Band

- High-Res Full-Color Touch Screen TFT LCD Display • Easy Hands-Free Operation w/Built-in Bluetooth® Unit • Built-in High Precision GPS Antenna • 1200/800bps AFSK Data Communications • Supports Simultaneous CFM Digital & Micro SD Card Slot



FT-65R | 144/430 MHz Transceiver

- Compact Commercial Grade Rugged Design • Large Front Speaker Delivers 1W of Powerful Clear Audio • 5 Watts of Portable RF Power With-in a compact Body • 3.5-Hour Rapid Charge Included • Large White LED Flashlight, Alarm and Quick Home Channel Access



VX-6R | VHF/UHF Dual Band Hand-Held

- Big-Radio Features in a Compact Package • Wide-Band Receiver Coverage for Catching All the Action • 900-Channel 24-Bank Memory System • Outdoor-Ready Features including Waterproof Rating, Smart Search, Automatic 51-Channel Scanning, Loading System



RETAIL LOCATIONS - Store hours 10:00AM - 5:30PM - Closed Sunday
PHONE - Toll-free phone hours 8:30AM - 5:30PM
ONLINE - WWW.HAMRADIO.COM
FAX - All store locations
MAIL - All store locations



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